

ABSTRACT OF THE DISCLOSURE

An energy efficient fluorescent reflector lamp includes a fluorescent light source enclosed
5 in a reflector with a defined cavity and circumferential rim defining a light emitting
opening, and a circumferential flange at a mating opening. The reflector cavity enclosed
with a lens at the rim, has an interior wall as a reflective surface for directing light out
from light emitting opening. The fluorescent light source is attached to a base located inside
the reflector cavity and located inside the mating opening. The circumferential flange
10 diameter is larger than a diameter of the mating opening. The base is assembled and locked
together with a ballast housing of defined space sufficient to accommodate an electronic
ballast and an electricity supply base. The ballast energizes the fluorescent light source to
emit light, and the ballast includes power input terminals connected to said electricity
supply base and output terminals connected to said fluorescent light source. The
15 fluorescent reflector lamp has luminous efficacy which exceeds that of corresponding
halogen reflector lamps while having an overall outline fitting substantially within the
ANSI specified outline for PAR lamps